

DESCRIPTION

Fail-Safe's hospital patient room of the future - the MPR removes lighting elements from walls incorporating them into a multi-compartment ceiling fixture. Sections provide independent task illumination: patient reading light using (1) 40W biaxial lamp puts the light at the head of the bed for patient use; ambient room light using (2) 40W biaxial lamps provides soft illumination via perforated wings while shielding direct source glare; examination light uses (3) 40W biaxial lamps and focuses high intensity illumination to torso for maximum patient appraisal with minimal wattage consumption. The system is designed for 1, 2, or 3 feeds potentially reducing the overall installed cost. Also available for 50W biaxial lamps.

SPECIFICATION FEATURES

Mounting

Recessed Grid or Flange, Ceiling Mount (supported from above)

Lamps

(By Others)

Ballast

Standard, Class P, CBM/ETL Ballast, (3) circuit wiring.

Housing

Die-formed, 20 ga. cold rolled steel.

Features

- 20 gauge CRS housing is formed fabricated for maximum strength and stability.
- Each compartment is designed to provide a specific illumination function while allowing for commonality of branch circuit feeding.
- High efficiency biaxial lamps provide excellent color rendering ability and high lumen output for nominal wattage draw.

Finish

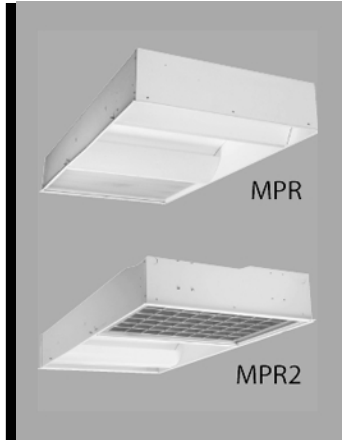
Low gloss, electrostatically applied, baked white powder polyester-finish.

Shielding

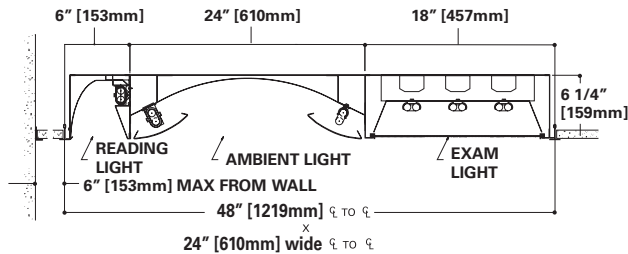
(READING LIGHT) Die formed lamp shield.
(AMBIENT LIGHT) Formed perforated metal.
(EXAM LIGHT) Pattern 12 Acrylic Ribbed lens.

Labels

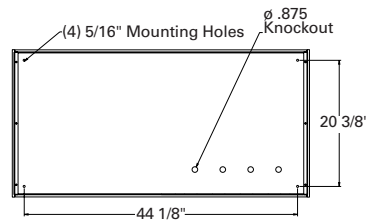
U.L. Listed, C.S.A. Certified.



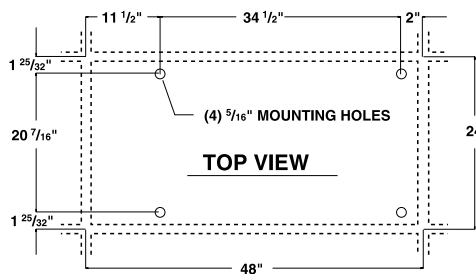
3 COMPARTMENT DIMENSIONS



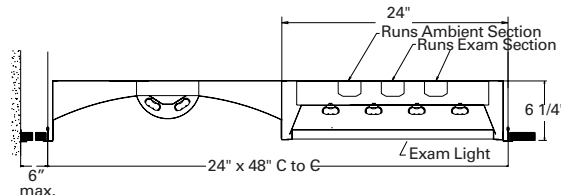
2 COMPARTMENT MOUNTING



3 COMPARTMENT MOUNTING



2 COMPARTMENT DIMENSIONS



MPR MPR2

AMBIENT/DIRECT
Multi-Compartment
Patient Room
Recessed Luminaire
2' x 4' Fluorescent Grid
2' x 4' Fluorescent Flange



ENERGY DATA

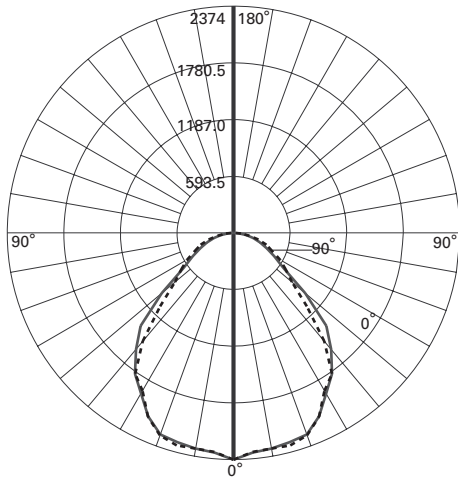
Input Watts:
Electronic Ballasts and Standard Lamps
(6) 40W Biaxial Fluorescents: 204W
(6) 50W Biaxial Fluorescents: 264W

ORDERING INFORMATION

SAMPLE NUMBER: MPR2-G-640BX-120-EBX3

Product Family MPR2= 2 Compartment Medical Patient Room Recessed Luminaire Exam & Ambient Section MPR = Standard 3 Compartment Medical Patient Room Recessed Luminaire Reading, Exam & Ambient Section	Ceiling Type G=Grid F=Flange	Voltage 120=120V 277=277V 347=347V UNV=120V through 277V	Ambient Options If no option is chosen, then Standard 2 Basket Ambient will be provided. SCPB=Single Perf Basket Centered SSCB=Single Sealed Lamp	Options EBP=Emergency Battery Pack FNL=Fluorescent Night Light (Lamp by others) GLR=Fuse and Holder RIF=Radio Interference Filter LVRELAY=Low Voltage Relay	Accessories (order separately) MPR-GGO-1=Full Clear Poly Lens Door. No Acrylic Over Exam Hinged Door ² MPR-GGD-2=Two Compartment MPR (Lens Poly and Acrylic) ² MPR-GGD-3=Three Compartment MPR Hinged Door (Lens Poly and Acrylic) ²
	Lamp Type Biaxial Fluorescents 640BX=(6) 40W Lamps 650BX=(6) 50W Lamps	Ballast EBX3=(3) Ballasts for use with biaxial lamps EBX4=(4) Ballasts for use with biaxial lamps ¹			

PHOTOMETRICS



Report No. 7298.0 for Cat No.MPR (Exam Light)
Lamp Type: F40BX/SPX35 3100 Lumens (9300Total)

Coefficients Of Utilization

Effective floor cavity reflectance												20%
rc	80%				50%				30%			
rw	70	50	30	10	50	30	10		50	30	10	
RCR												
0	69	69	69	69	64	64	64		61	61	61	
1	64	61	59	57	57	56	54		55	54	53	
2	59	54	51	48	51	48	46		49	47	45	
3	54	48	44	41	46	42	40		44	41	39	
4	50	43	39	35	41	37	34		40	37	34	
5	46	39	34	31	37	33	30		36	33	30	
6	43	35	31	27	34	30	27		33	29	27	
7	40	32	28	24	31	27	24		30	27	24	
8	37	30	25	22	29	24	22		28	24	22	
9	35	27	23	20	26	22	20		26	22	20	
10	33	25	21	18	24	21	18		24	20	18	

Zonal Lumen Summary

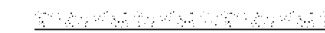
Zone	Lumens	Lamp%	Fixt%
0-30	1832	19.7	34.1
0-40	2955	31.8	55.0
0-60	4643	49.9	86.4
0-90	5375	57.8	100.0
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	5375	57.8	100.0
Total Luminaire Efficiency= 57.8%			

Candela

Vertical Angle	Horizontal Angle		
	0	45	90
0	2374	2374	2374
5	2300	2308	2302
10	2287	2292	2292
15	2227	2269	2302
20	2219	2246	2254
25	2131	2120	2124
30	1962	1941	1909
35	1909	1801	1799
40	1741	1592	1481
45	1511	1378	1089
50	1231	982	800
55	970	639	668
60	789	494	565
65	622	386	443
70	373	297	367
75	166	215	270
80	72	137	170
85	30	61	80
90	0	0	0

TYPICAL MOUNTING INFORMATION SERIES MPR

HEAD WALL



1'	READING - 28FC, AMBIENT - 20FC, EXAM - 98FC ALL LIGHTS - 147FC
2'	READING - 30FC, AMBIENT - 19FC, EXAM - 99FC ALL LIGHTS - 148FC
3'	READING - 28FC, AMBIENT - 18FC, EXAM - 100FC ALL LIGHTS - 146FC
4'	READING - 21FC, AMBIENT - 17FC, EXAM - 98FC ALL LIGHTS - 136FC
5'	READING - 14FC, AMBIENT - 13FC, EXAM - 87FC ALL LIGHTS - 114FC
6'	READING - 14FC, AMBIENT - 11FC, EXAM - 74FC ALL LIGHTS - 97FC

FOOT OF BED

THESE ILLUMINATION VALUES WERE TAKEN AT 36" AFF AND 8' 6" CEILING HEIGHT WITH (6) 40W BIAx LAMPS FITTED IN FAIL-SAFE "MPR"

LUMINAIRE CUT-OUT SECTION

LUMINAIRE CUT-OUT SECTION FOR MPR FLANGE FIXTURE

